

Amendments To the Claims:

Please amend the claims as shown. Applicants reserve the right to pursue any cancelled claims at a later date.

1.-12. (cancelled)

13. (currently amended) A medical imaging device, comprising:
a radiation source;

a digital radiation detector for recording images, the radiation source and the digital radiation detector configured to be moved vertically relative to a patient in a standing position;

a control device adapted to move the radiation source and the digital radiation detector to a plurality of successive imaging positions for recording an image of an examination area having a height exceeding a height of an active surface area of the digital radiation detector;
and

an image processing device for generating a combined image showing the examination area, wherein

the plurality of successive imaging positions are calculated by the control device based on user input data providing the height of the examination area and based on the height of the active surface area of the digital radiation detector,

an image is recorded at each imaging position, the images recorded at the imaging positions in their entirety covering the examination area, and

the image processing device is configured to generate the combined image using the images recorded at the imaging positions.

14. (previously presented) The medical imaging device according to claim 13, wherein the control device is adapted to move the radiation source and the digital radiation detector synchronously.

15. (previously presented) The medical imaging device according to claim 13, wherein the control device is further adapted to move the radiation source and the digital radiation detector to the imaging positions successively using an automation program.

16. (previously presented) The medical imaging device according to claims 13, wherein the images recorded at adjacent imaging positions overlap in an overlap area.

17. (currently amended) The medical imaging device according to claim 13, wherein the images recorded at adjacent imaging positions ~~do not~~ overlap a few millimeters at edge areas of the respective adjacent images.

18. (previously presented) The medical imaging device according to claim 16, wherein the imaging processing device is further adapted to arrange the images recorded at the adjacent imaging positions relative to the combined image using the overlap area.

19. (currently amended) The medical imaging device according to claim 17, wherein the imaging processing device is further adapted to arrange the images recorded at the adjacent imaging positions relative to the combined image using algorithms to search for continuing structures in the respective adjacent images and to position the respective adjacent images in respect of each other such that edges of the continuing structures in the respective adjacent images coincide or are precise continuations of each other~~a border area of the images.~~

20. (previously presented) The medical imaging device according to claims 13, wherein the combined image is displayed on a monitor or printed on a hardcopy.

21. (previously presented) The medical imaging device according to claim 20, wherein the displayed or printed combined image is scaled down.

22. (previously presented) The medical imaging device according to claim 13, wherein the combined image is displayed on a monitor using a display format corresponding to a recording format of the combined image, the combined image movable on the monitor using a scrolling mechanism.

23. (previously presented) The medical imaging device according to claim 13, wherein the combined image is displayed on a monitor using a display format exceeding the original size of the examination area, the combined image movable on the monitor using a scrolling mechanism.

24. (previously presented) The medical imaging device according to claim 13, wherein the radiation source and the digital radiation detector are arranged on adjustable wall- or floor-mounted supports.

25. (previously presented) The medical imaging device according to claim 24, wherein the supports are telescopic supports.

26. (previously presented) The medical imaging device according to claim 13, further comprising a platform for accommodating the patient, the platform having a safeguard device for securing the patient's standing position.

27. (previously presented) The medical imaging device according to claim 26, wherein the safeguard device includes a handhold.

28. (previously presented) The medical imaging device according to claim 26, further comprising a plate permeable for radiation emitted by the radiation source, the plate arranged on the platform and facing the digital radiation detector.

29. (previously presented) The medical imaging device according to claim 13, wherein the user input data is provided by input means to input the geometric data, including the height, of the examination area.

30. (previously presented) The medical imaging device according to claim 13, wherein the user input data is provided by movement of the radiation detector to a first position and to a second position to define a first and a last image of the plurality of successive imaging positions.